

**WEST****End of Result Set**☐ **Generate Collection**

L1: Entry 1 of 1

File: USPT

Dec 14, 1999

US-PAT-NO: 6001135

DOCUMENT-IDENTIFIER: US 6001135 A

TITLE: Compositions and processes for dyeing keratin fibers with cationic direct dyes, oxidation bases, and oxidizing agents

DATE-ISSUED: December 14, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rondeau; Christine	Sartrouville	N/A	N/A	FRX
Cotteret; Jean	Verneuil Sur Seine	N/A	N/A	FRX
De La Mettrie; Roland	Le Vesinet	N/A	N/A	FRX

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
L'Oreal	Paris	N/A	N/A	FRX	03

APPL-NO: 8/ 994444

DATE FILED: December 19, 1997

## PARENT-CASE:

The technology involved in this application is related to that disclosed in the following co-pending U.S. applications filed on even date herewith: (1) Title: COMPOSITION FOR THE OXIDATION DYEING OF KERATIN FIBERS AND DYEING PROCESS USING THIS COMPOSITION Inventors: Christine Rondeau, Jean Cotteret, Roland de la Mettrie Ser. No. 08/994,127, pending (2) Title: COMPOSITION FOR THE OXIDATION DYEING OF KERATIN FIBRES AND DYEING PROCESS USING THIS COMPOSITION Inventors: Christine Rondeau, Jean Cotteret, Roland de la Mettrie Ser. No. 08/994,130, pending (3) Title: COMPOSITION FOR THE OXIDATION DYEING OF KERATIN FIBERS AND DYEING PROCESS USING THIS COMPOSITION Inventors: Christine Rondeau, Jean Cotteret, Roland de la Mettrie Ser. No. 08/994,446, now U.S. Pat. No. 5,879,412. The specifications of these related applications are hereby specifically incorporated by reference.

## FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
FR	96 15895	December 23, 1996

INT-CL: [6] A61K 7/13

US-CL-ISSUED: 8/407; 8/408, 8/409, 8/410, 8/426

US-CL-CURRENT: 8/407; 8/408, 8/409, 8/410, 8/426

FIELD-OF-SEARCH: 8/405, 8/406, 8/407, 8/408, 8/409, 8/410, 8/423, 8/426

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

**Search Selected****Search ALL**

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>3524842</u>	August 1970	Grossman et al.	8/426
<input type="checkbox"/>	<u>3578386</u>	May 1971	Kalopissis et al.	8/426
<input type="checkbox"/>	<u>3869454</u>	March 1975	Lang et al.	534/778
<input type="checkbox"/>	<u>3955918</u>	May 1976	Lang	8/426
<input type="checkbox"/>	<u>3985499</u>	October 1976	Lang et al.	8/426
<input type="checkbox"/>	<u>4025301</u>	May 1977	Lang	8/405
<input type="checkbox"/>	<u>4425132</u>	January 1984	Grollier et al.	8/405
<input type="checkbox"/>	<u>5637115</u>	June 1997	Balzer et al.	8/407
<input type="checkbox"/>	<u>5733343</u>	March 1998	Mockli et al.	8/426

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0 739 622	October 1996	EPX	

ART-UNIT: 171

PRIMARY-EXAMINER: Liott; Caroline D.

ATTY-AGENT-FIRM: Finnegan, Henderson, Farabow, Garrett &amp; Dunner, L.L.P.

## ABSTRACT:

A ready-to-use composition for the oxidation dyeing of keratin fibers, in particular human keratin fibers such as the hair, this ready-to-use composition comprising at least one oxidation base in combination with at least one selected cationic direct dye and at least one oxidizing agent, as well as to the dyeing process using this ready-to-use composition.

41 Claims, 0 Drawing figures

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS  
RN 81859-24-7 REGISTRY  
CN Cellulose, 2-hydroxyethyl 2-[2-hydroxy-3-(trimethylammonio)propoxy]ethyl  
2-hydroxy-3-(trimethylammonio)propyl ether, chloride (9CI) (CA INDEX  
NAME)

## OTHER NAMES:

CN Catinal HC 100  
CN Catinal HC 35  
CN Catinal LC 100  
CN Celquat SC 230M  
CN JR 1  
CN JR 125  
CN JR 30M  
CN JR 400  
CN Leogard G  
CN Leogard GP  
CN Leogard LP  
CN Leogard P  
CN LR 300M  
CN LR 400  
CN Polymer JR 400  
CN Polyquaternium 10  
CN Quaternium 19  
CN Ritaquat 3000  
CN Ritaquat 400KG  
CN Ucare JR 125  
CN Ucare JR 400  
CN UCARE Polymer JR  
CN UCARE Polymer JR 125  
CN UCARE Polymer JR 30  
CN UCARE Polymer JR 30M  
CN UCARE Polymer JR 400  
CN UCARE Polymer JR 40M  
CN UCARE Polymer LR  
CN UCARE Polymer LR 30M  
CN UCARE Polymer LR 400  
CN UCARE Polymer SR 10  
DR 163442-38-4, 53568-66-4, 125623-01-0, 56274-58-9, 55353-19-0, 55466-13-2,  
55819-09-5, 138067-60-4, 86297-97-4, 82643-41-2, 88507-33-9, 200013-87-2,  
214358-12-0  
MF C8 H20 N O3 . x C6 H16 N O2 . x C2 H6 O2 . x Cl . x Unspecified  
CI COM  
PCT Manual registration  
LC STN Files: BIOBUSINESS, BIOSIS, CA, CAPLUS, CEN, CHEMCATS, CHEMLIST,  
CIN, IFICDB, IFIPAT, IFIUDB, IPA, MSDS-OHS, PROMT, RTECS\*, TOXLINE,  
TOXLIT, USPATFULL  
(\*File contains numerically searchable property data)

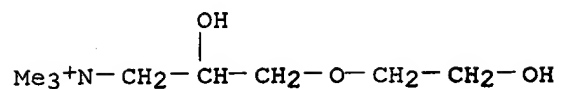
CM 1

CRN 170553-71-6  
CMF C8 H20 N O3 . x C6 H16 N O2 . x C2 H6 O2 . x Unspecified

CM 2

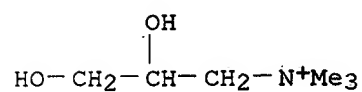
CRN 170344-46-4

CMF C8 H20 N O3



CM 3

CRN 44814-66-6  
CMF C6 H16 N O2



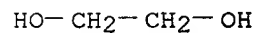
CM 4

CRN 9004-34-6  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

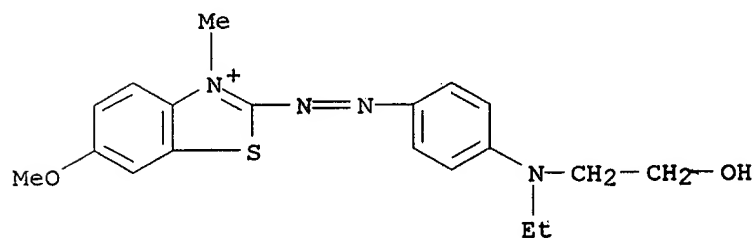
CM 5

CRN 107-21-1  
CMF C2 H6 O2



586 REFERENCES IN FILE CA (1967 TO DATE)  
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
587 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS  
 RN 12270-13-2 REGISTRY  
 CN Benzothiazolium,  
 2-[[4-[ethyl(2-hydroxyethyl)amino]phenyl]azo]-6-methoxy-3-  
 methyl-, methyl sulfate (salt) (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN C.I. Basic Blue 41 (8CI)  
 OTHER NAMES:  
 CN 2-[[4-[Ethyl(2-hydroxyethyl)amino]phenyl]azo]-6-methoxy-3-  
 methylbenzothiazolium methyl sulfate  
 CN Aizen Cathilon Blue GRLH  
 CN Anilan Blue GRL  
 CN Astrazon Blue FGGL  
 CN Basacryl Blue X 3GL  
 CN Basic Blue 41  
 CN C.I. 11105  
 CN Crypur Blue GRL  
 CN Deorlene Fast Blue RL  
 CN Diacryl Blue GRL-N  
 CN Kayacryl Blue GRL  
 CN Maxilon Blue GRL  
 CN Melacril Blue GRL  
 CN Synacril Blue G  
 DR 15000-69-8, 61356-34-1  
 MF C19 H23 N4 O2 S . C H3 O4 S  
 LC STN Files: AGRICOLA, BEILSTEIN\*, BIOBUSINESS, CA, CAPLUS, CHEMCATS,  
 CHEMLIST, CIN, CSCHEM, TOXLINE, TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)  
  
 CM 1  
  
 CRN 38901-82-5  
 CMF C19 H23 N4 O2 S



CM 2  
  
 CRN 21228-90-0  
 CMF C H3 O4 S

Me-O-SO<sub>3</sub><sup>-</sup>

96 REFERENCES IN FILE CA (1967 TO DATE)  
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
96 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> e basic brown 16/cn

E1	1	BASIC BROWN/CN
E2	1	BASIC BROWN 1/CN
E3	1	--> BASIC BROWN 16/CN
E4	1	BASIC BROWN 17/CN
E5	1	BASIC BROWN 30/CN
E6	1	BASIC BROWN 4/CN
E7	1	BASIC BROWN 4K/CN
E8	1	BASIC BROWN G/CN
E9	1	BASIC BROWN K/CN
E10	1	BASIC BROWN, POLYMER WITH 4-AMINO BENZENESULFONIC ACID, FORMA

LDEHYDE, 2-HYDROXY-5-SULFOBENZOIC ACID AND  
6-PHENYL-1,3,5-TR

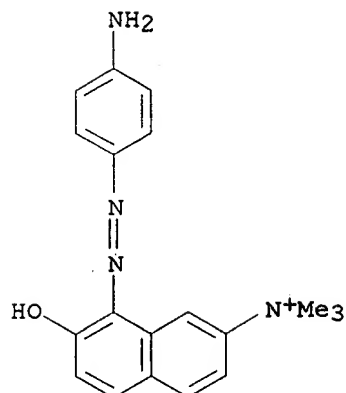
		IAZINE-2,4-DIAMINE/CN
E11	1	BASIC CALCIUM CHROMATE DIHYDRATE/CN
E12	1	BASIC CALCIUM HYPOCHLORITE/CN

=> s e3

L2 1 "BASIC BROWN 16"/CN

=> d

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS  
RN 26381-41-9 REGISTRY  
CN 2-Naphthalenaminium, 8-[(4-aminophenyl)azo]-7-hydroxy-N,N,N-trimethyl-, chloride (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Ammonium, [8-[(p-aminophenyl)azo]-7-hydroxy-2-naphthyl]trimethyl-, chloride (8CI)  
OTHER NAMES:  
CN Arianor Mahogany  
CN Arianor Mahogany 306002  
CN Basic Brown 16  
CN C.I. 12250  
CN C.I. Basic Brown 16  
MF C19 H21 N4 O . Cl  
LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, IFICDB, IFIPAT, IFIUDB, IPA, SPECINFO, TOXLINE, TOXLIT, USPATFULL  
Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)  
CRN (38866-11-4)



● Cl<sup>-</sup>

45 REFERENCES IN FILE CA (1967 TO DATE)  
45 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> s e4

L3 1 "BASIC BROWN 17"/CN

=> d

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS  
RN 176742-32-8 REGISTRY  
CN C.I. Basic Brown 17 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Arianor Sienna Brown  
CN Arianor Sienna Brown 306001  
CN Basic Brown 17  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXLIT, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
25 REFERENCES IN FILE CA (1967 TO DATE)  
25 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> s basic red 22/cn

L4 1 BASIC RED 22/CN

=> d

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS

RN 12221-52-2 REGISTRY  
CN C.I. Basic Red 22 (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN C.I. Basic Red 31 (8CI)  
OTHER NAMES:  
CN Anilan Red BLN  
CN Aniline Red BLN  
CN Astrazon Red F 3BL  
CN Basic Red 22  
CN Basic Red 31  
CN C.I. 11055  
CN Calcozine Acrylic Red B  
CN Crypur Red BL  
CN Deorlene Fast Red CBL  
CN Maxilon Red B-LN  
CN Maxilon Red BL  
CN Melacril Red BL  
CN Sandocryl Red B-BL  
CN Sandocryl Red B-BLE  
CN Synacril Red 3B  
DEF This substance is identified in the COLOUR INDEX by Colour Index  
Constitution Number, C.I. 11055.  
DR 58238-73-6, 50813-53-1, 65900-41-6, 116844-92-9  
MF Unspecified  
CI COM, MAN  
LC STN Files: BIOBUSINESS, BIOSIS, CA, CAPLUS, CHEMLIST, CSNB, MEDLINE,  
NIOSHTIC, RTECS\*, TOXLINE, TOXLIT, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: NDSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
104 REFERENCES IN FILE CA (1967 TO DATE)  
104 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> e basic red 76/cn

E1	1	BASIC RED 69/CN
E2	1	BASIC RED 70/CN
E3	1 -->	BASIC RED 76/CN
E4	1	BASIC RED 9/CN
E5	1	BASIC RED 92/CN
E6	1	BASIC RED 95/CN
E7	1	BASIC RED CARBONATE/CN
E8	1	BASIC RHODO CHROMIUM BROMIDE/CN
E9	1	BASIC RHODO CHROMIUM CHLORIDE/CN
E10	1	BASIC ROSE 2S/CN
E11	1	BASIC ROSE B/CN
E12	1	BASIC ROSE EXTRACT/CN

=> s e3

L5 1 "BASIC RED 76"/CN

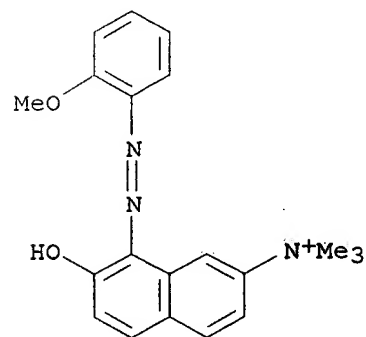
=> d



L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS  
 RN 68391-30-0 REGISTRY  
 CN 2-Naphthalenaminium, 7-hydroxy-8-[(2-methoxyphenyl)azo]-N,N,N-trimethyl-,  
 chloride (9CI) (CA INDEX NAME)

## OTHER NAMES:

CN Arianor Madder Red  
 CN Basic Red 76  
 CN C.I. 12245  
 CN C.I. Basic Red 76  
 MF C20 H22 N3 O2 . Cl  
 LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, IPA, SPECINFO, TOXLINE,  
 TOXLIT, USPATFULL  
 Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



● Cl<sup>-</sup>

39 REFERENCES IN FILE CA (1967 TO DATE)  
 39 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> e basic yellos 57/cn

E1	1	BASIC VIOLET K NITRATE/CN
E2	1	BASIC VIOLET K RHENATE/CN
E3	0 -->	BASIC YELLOS 57/CN
E4	1	BASIC YELLOW/CN
E5	1	BASIC YELLOW 1/CN
E6	1	BASIC YELLOW 106/CN
E7	1	BASIC YELLOW 11/CN
E8	1	BASIC YELLOW 13/CN
E9	1	BASIC YELLOW 19/CN
E10	1	BASIC YELLOW 2/CN
E11	1	BASIC YELLOW 20/CN
E12	1	BASIC YELLOW 21/CN

=> e basic yellow 57/cn

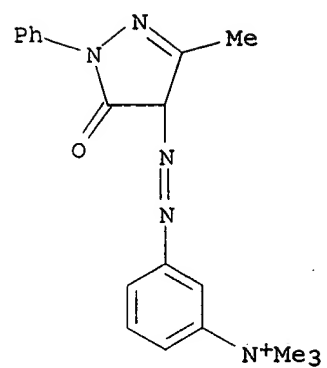
E1	1	BASIC YELLOW 52115/CN
E2	1	BASIC YELLOW 54/CN
E3	1 -->	BASIC YELLOW 57/CN
E4	1	BASIC YELLOW 6/CN
E5	1	BASIC YELLOW 60/CN
E6	1	BASIC YELLOW 63/CN
E7	1	BASIC YELLOW 67/CN
E8	1	BASIC YELLOW 73/CN
E9	1	BASIC YELLOW 82/CN
E10	1	BASIC YELLOW 85/CN
E11	1	BASIC YELLOW 87/CN
E12	1	BASIC YELLOW 90/CN

=> s e3

L6 1 "BASIC YELLOW 57"/CN

=> d

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS  
RN 68391-31-1 REGISTRY  
CN Benzenaminium, 3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-N,N,N-trimethyl-, chloride (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Arianor Straw Yellow  
CN Arianor Straw Yellow 306005  
CN Basic Yellow 57  
CN C.I. 12719  
CN C.I. Basic Yellow 57  
MF C19 H22 N5 O . Cl  
LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, IPA, TOXLINE, TOXLIT, USPATFULL  
Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



● Cl<sup>-</sup>

28 REFERENCES IN FILE CA (1967 TO DATE)  
28 REFERENCES IN FILE CAPLUS (1967 TO DATE)